APPRENTICE - MILLWRIGHT (ADVANCED)

CERTIFICATE (C)

DESCRIPTION: Alpena Community College offers Certificates of Completion for basic and advanced millwright apprenticeship training. The curriculum meets current industry standards for this skilled trade. College credits earned in this program may be applied toward the requirements for an associate degree at ACC. This program prepares students to work in an industrial setting with installation and maintenance of hydraulic, pneumatic equipment, power trains, belts, gears, and chains. Students who have completed the basic program may obtain an advanced certificate by completing the specified courses. The Apprentice (APP) courses for this program of study are offered primarily at night on a four-year rotating basis.

F			
BASIC REQUIREME APP 100E APP 106M	ENTS ELECTRICAL STUDIES FOR TR INDUSTRIAL SAFETY (1/1)	CREDITS: 29-30 ADES (3/4)	
APP 121M <i>or</i> MFG 120	APPRENTICE BLUEPRINT RDG PRINT INTERPRETATION & PR	(3/4) ^A or OCESSES (3/4) ^A	
APP 122M APP 124M	MACHINE REPAIR (3/4) A APPRENTICE HYDRAULICS (3/	₍₄₎ A	
APP 125M <i>or</i> MFG 101	APPRENTICE MACHINE SHOP MACHINING PROCESSES I (4/4		
APP 128M APP 129M	RIGGING & WEIGHT ESTIMATI APPRENTICE PNEUMATICS (1.		
APP 223M	PREDICTIVE & PREVENTATIVE	MAINTENANCE (3/4) A	
WLD 123 <i>or</i> WLD 124	SMAW WELDING PROCESSE GMAW & FCAW WELDING F	` ,	
MTH 110	TECHNICAL MATH I (3/4)		

ADVANCED REQUIREMENTS CREDITS: 15-17
APP 102E RESIDENTIAL WIRING & BLUEPRINT RDG (3/4)
APP 103E COMMERCIAL & INDUSTRIAL WIRING (3/4)

CHOSE THREE COURSES FROM THE FOLLOWING:

APP 111E ELECTRIC MOTOR CONTROL (3/4)
APP 114E PROGRAMMABLE CONTROLLERS (3/4)
APP 290M MILLWRIGHT INTERNSHIP (3/4)
MFG 102 MACHINING PROCESSES II (4/6)

MFG 201 CNC I (4/6)

AN ADDITIONAL WLD OR MET COURSE (4/6)

MINIMUM 29 CREDIT HOURS/39 CONTACT HOURS (BASIC)
MINIMUM 44 CREDIT HOURS/58 CONTACT HOURS (ADVANCED)

Notes:

Must compete Basic courses prior to Advanced courses

APPRENTICE - MILLWRIGHT (ADVANCED)

CERTIFICATE (C)

SUGGESTED SEQUENCE OF COURSES

SUGGESTED SEQUENCE OF COURSES				
YEAR 1 (FALL SEN APP 100E APP 122M APP 124M APP 128M APP 129M MTH 110	ELECTRICAL STUDIES FOR TO MACHINE REPAIR (3/4) APPRENTICE HYDRAULICS (3 RIGGING & WEIGHT ESTIMAT APPRENTICE PNEUMATICS (1 TECHNICAL MATH I (3/4)	5/4) FING (1.5/2)		
Year 1 (Spring S APP 106M	SEMESTER) INDUSTRIAL SAFETY (1/1)	CREDITS: 14		
APP 121M <i>or</i> MFG 120	Apprentice Blueprint Rdg (3/4) or Print Interpretation & Processes (3/4)			
APP 125M <i>or</i> MFG 101	APPRENTICE MACHINE SHOP (3/4) or MACHINING PROCESSES I (4/6)			
APP 223M	PREDICTIVE & PREVENTATIVE MAINTENANCE (3/4)			
WLD 123 or WLD 124	SMAW WELDING PROCESSES (4/6) or GMAW & FCAW WELDING PROCESSES (4/6)			
YEAR 2 (FALL SEMESTER) CREDITS: 15-1 APP 102E RESIDENTIAL WIRING & BLUEPRINT RDG (3/4 APP 103E COMMERCIAL & INDUSTRIAL WIRING (3/4)				
CHOSE THREE COURSES FROM THE FOLLOWING: APP 111E ELECTRIC MOTOR CONTROL (3/4) APP 114E PROGRAMMABLE CONTROLLERS (3/4) APP 290M MILLWRIGHT INTERNSHIP (3/4) MFG 102 MACHINING PROCESSES II (4/6) MFG 201 CNC I (4/6)				

AN ADDITIONAL WLD OR MET COURSE (4/6)

^A Courses offered on a four-year rotating basis